

REMARKS

The present application is a continuation of United States Patent Application Ser. No. 09/870,287 filed on May 30, 2001 ("the Parent Application").

The amendments to the specifications filed in the Parent Application have been entered here. Independent claims 1, 15, 23 and 42 have been amended in a manner similar to corresponding claims of the Parent Application.

Independent claims 1 and 15 have been broadened relative to the parent application by removing limitations that there be actual contact between the sensor device and the borehole wall. As noted in paragraph [0015] of the application, actual contact is not required. As would be recognized by those versed in the art, signals may be obtained as long as the region of investigation is within the formation.

Independent claims 1, 15, 23 and 42 have also been broadened by using the term "signal" rather than "spin echo signal."

Independent claims 50 and 51 have been canceled. New dependent claims 52-54 have been added.

Claim 10 has been canceled.

Dependent claims 3, 12, 13, 21, 22, 25, 33, 34, 37 and 48 have been amended consistent with the amendments to the independent claims.

Consideration of the application as amended is respectfully requested.

The Commissioner is hereby authorized to charge any deficiency and credit any surplus to **Deposit Account 02-0429 (584-25428USC)**

Respectfully submitted

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